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In the claims:

1. (amended) A method for diagnosing the presence of colon cancer in a patient comprising:

- (a) determining levels of a colon specific gene(CSG) comprising a polynucleotide sequence of SEQ ID NO:1 or a polynucleotide which hybridizes under stringent conditions with SEQ ID NO: 1, or a polypeptide encoded thereby, in cells, tissues or bodily fluids in a patient; and
- (b) comparing the determined levels of the CSG with levels of the CSG in cells, tissues or bodily fluids measured in a normal human control, wherein a change in determined levels of the CSG in said patient versus levels of the CSG measured in a normal human control is associated with the presence of colon cancer.
- 2. (amended) A method of diagnosing metastases of colon cancer in a patient comprising:
- (a) identifying a patient having colon cancer that is not known to have metastasized;
- (b) determining levels of a colon specific gene(CSG) comprising a polynucleotide sequence of SEQ ID NO:1 or a polynucleotide which hybridizes under stringent conditions with SEQ

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ID NO: 1, or a polypeptide encoded thereby, in cells, tissues or bodily fluids in a patient; and

- (c) comparing the levels of the CSG determined in step (b) with levels of the CSG measured in a sample of cells, tissues or bodily fluid from a normal human control, wherein an increase in levels of the CSG determined in step (b) as compared to levels of the CSG measured in a sample of cells, tissues or bodily fluid from a normal human control is associated with a cancer that has metastasized.
- 3. (amended) A method of staging colon cancer in a patient having colon cancer comprising:
 - (a) identifying a patient having colon cancer;
- (b) determining levels of a colon specific gene (CSG) comprising a polynucleotide sequence of SEQ ID NO:1 or a polynucleotide which hybridizes under stringent conditions with SEQ ID NO: 1, or a polypeptide encoded thereby, in cells, tissues or bodily fluids in a patient; and
- (c) comparing the levels of the CSG determined in step (b) with levels of the CSG measured in a sample of cells, tissues or bodily fluid from a normal human control, wherein an increase in the levels of the CSG determined in step (b) as compared to levels of the CSG measured in a sample of cells, tissues or bodily fluid

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from a normal human control is associated with a cancer that is progressing and a decrease in the levels of the CSG determined in step (b) as compared to levels of the CSG measured in a sample of cells, tissues or bodily fluid from a normal human control is associated with a cancer that is regressing or in remission.

- 4. (amended) A method of monitoring colon cancer in a patient for the onset of metastasis comprising:
- (a) identifying a patient having colon cancer that is not known to have metastasized;
- (b) periodically determining levels of a colon specific gene(CSG) comprising a polynucleotide sequence of SEQ ID NO:1 or a polynucleotide which hybridizes under stringent conditions with SEQ ID NO: 1, or a polypeptide encoded thereby, in cells, tissues or bodily fluids in a patient; and
- (c) comparing the periodically determined levels of the CSG with levels of the CSG measured in cells, tissues or bodily fluid of a normal human control, wherein an increase in any one of the periodically determined levels of the CSG in the patient versus the normal human control is associated with a cancer that has metastasized.
- 5. (amended) A method of monitoring a change in stage of colon cancer in a patient comprising:

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- (a) identifying a patient having colon cancer;
- (b) periodically determining levels of a colon specific gene (CSG) comprising a polynucleotide sequence of SEQ ID NO:1 or a polynucleotide which hybridizes under stringent conditions with SEQ ID NO: 1, or a polypeptide encoded thereby, in cells, tissues or bodily fluids in a patient; and
- (c) comparing the periodically determined levels of the CSG with levels of the CSG measured in cells, tissues, or bodily fluid of a normal human control, wherein an increase in any one of the periodically determined levels of the CSG in the patient versus the normal human control is associated with a cancer that is progressing in stage and a decrease is associated with a cancer that is regressing in stage or in remission.

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